


# ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

Title of Invention	PROCESS OF END-FORMING A TUBE HAVING INTERNAL SURFACE FEATURES																																																																																																																														
Submission Type :	Utility Patent Filing																																																																																																																														
Application Number:	10/605280																																																																																																																														
EFS ID:	47997																																																																																																																														
Server Response:	<table border="1"><thead><tr><th>Confirmation Code</th><th>Message</th></tr></thead><tbody><tr><td>ISVR1</td><td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td></tr><tr><td>ICON1</td><td>2279</td></tr></tbody></table>			Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	2279																																																																																																																						
Confirmation Code	Message																																																																																																																														
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application																																																																																																																														
ICON1	2279																																																																																																																														
First Named Applicant:	Gerald Beagle																																																																																																																														
Attorney Docket Number:	A3-1662																																																																																																																														
Timestamp:	2003-09-19 11:07:09 EDT																																																																																																																														
From:	us																																																																																																																														
File Listing:	<table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th><th>Date Produced (yyyymmdd)</th></tr></thead><tbody><tr><td>us-request</td><td>hartmanA3-1662-usrequ.xml</td><td>1947</td><td>2003-09-19</td></tr><tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2003-09-19</td></tr><tr><td>us-request</td><td>us-request.xml</td><td>33300</td><td>2003-09-19</td></tr><tr><td>us-fee-sheet</td><td>hartmanA3-1662-usfees.xml</td><td>1686</td><td>2003-09-19</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.xml</td><td>24912</td><td>2003-09-19</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>10901</td><td>2003-09-19</td></tr><tr><td>us-declaration</td><td>hartmanA3-1662-usdecl.xml</td><td>726</td><td>2003-09-19</td></tr><tr><td>us-declaration</td><td>us-declaration.dtd</td><td>3833</td><td>2003-09-19</td></tr><tr><td>us-declaration</td><td>us-declaration.xml</td><td>10015</td><td>2003-09-19</td></tr><tr><td>us-power-of-attorney-grant</td><td>hartmanA3-1662-uspoat.xml</td><td>1053</td><td>2003-09-19</td></tr><tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.dtd</td><td>4923</td><td>2003-09-19</td></tr><tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.xml</td><td>12448</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>specification-trans.xml</td><td>18901</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>us-application-body.xml</td><td>83497</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>wipo.ent</td><td>4956</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>mathml2-qname-1.mod</td><td>13225</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isoamsa.ent</td><td>5191</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isoamsb.ent</td><td>3988</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isoamsc.ent</td><td>1460</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isoamsn.ent</td><td>5620</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isoamso.ent</td><td>1934</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isoamsr.ent</td><td>7073</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isogr3.ent</td><td>3559</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isomfrk.ent</td><td>4553</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isomopf.ent</td><td>2571</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isomscr.ent</td><td>4628</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isotech.ent</td><td>5268</td><td>2003-09-19</td></tr><tr><td>application-body</td><td>isobox.ent</td><td>3568</td><td>2003-09-19</td></tr></tbody></table>			Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)	us-request	hartmanA3-1662-usrequ.xml	1947	2003-09-19	us-request	us-request.dtd	19064	2003-09-19	us-request	us-request.xml	33300	2003-09-19	us-fee-sheet	hartmanA3-1662-usfees.xml	1686	2003-09-19	us-fee-sheet	us-fee-sheet.xml	24912	2003-09-19	us-fee-sheet	us-fee-sheet.dtd	10901	2003-09-19	us-declaration	hartmanA3-1662-usdecl.xml	726	2003-09-19	us-declaration	us-declaration.dtd	3833	2003-09-19	us-declaration	us-declaration.xml	10015	2003-09-19	us-power-of-attorney-grant	hartmanA3-1662-uspoat.xml	1053	2003-09-19	us-power-of-attorney-grant	us-power-of-attorney-grant.dtd	4923	2003-09-19	us-power-of-attorney-grant	us-power-of-attorney-grant.xml	12448	2003-09-19	application-body	specification-trans.xml	18901	2003-09-19	application-body	us-application-body.xml	83497	2003-09-19	application-body	application-body.dtd	49498	2003-09-19	application-body	wipo.ent	4956	2003-09-19	application-body	mathml2.dtd	54588	2003-09-19	application-body	mathml2-qname-1.mod	13225	2003-09-19	application-body	isoamsa.ent	5191	2003-09-19	application-body	isoamsb.ent	3988	2003-09-19	application-body	isoamsc.ent	1460	2003-09-19	application-body	isoamsn.ent	5620	2003-09-19	application-body	isoamso.ent	1934	2003-09-19	application-body	isoamsr.ent	7073	2003-09-19	application-body	isogr3.ent	3559	2003-09-19	application-body	isomfrk.ent	4553	2003-09-19	application-body	isomopf.ent	2571	2003-09-19	application-body	isomscr.ent	4628	2003-09-19	application-body	isotech.ent	5268	2003-09-19	application-body	isobox.ent	3568	2003-09-19
Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)																																																																																																																												
us-request	hartmanA3-1662-usrequ.xml	1947	2003-09-19																																																																																																																												
us-request	us-request.dtd	19064	2003-09-19																																																																																																																												
us-request	us-request.xml	33300	2003-09-19																																																																																																																												
us-fee-sheet	hartmanA3-1662-usfees.xml	1686	2003-09-19																																																																																																																												
us-fee-sheet	us-fee-sheet.xml	24912	2003-09-19																																																																																																																												
us-fee-sheet	us-fee-sheet.dtd	10901	2003-09-19																																																																																																																												
us-declaration	hartmanA3-1662-usdecl.xml	726	2003-09-19																																																																																																																												
us-declaration	us-declaration.dtd	3833	2003-09-19																																																																																																																												
us-declaration	us-declaration.xml	10015	2003-09-19																																																																																																																												
us-power-of-attorney-grant	hartmanA3-1662-uspoat.xml	1053	2003-09-19																																																																																																																												
us-power-of-attorney-grant	us-power-of-attorney-grant.dtd	4923	2003-09-19																																																																																																																												
us-power-of-attorney-grant	us-power-of-attorney-grant.xml	12448	2003-09-19																																																																																																																												
application-body	specification-trans.xml	18901	2003-09-19																																																																																																																												
application-body	us-application-body.xml	83497	2003-09-19																																																																																																																												
application-body	application-body.dtd	49498	2003-09-19																																																																																																																												
application-body	wipo.ent	4956	2003-09-19																																																																																																																												
application-body	mathml2.dtd	54588	2003-09-19																																																																																																																												
application-body	mathml2-qname-1.mod	13225	2003-09-19																																																																																																																												
application-body	isoamsa.ent	5191	2003-09-19																																																																																																																												
application-body	isoamsb.ent	3988	2003-09-19																																																																																																																												
application-body	isoamsc.ent	1460	2003-09-19																																																																																																																												
application-body	isoamsn.ent	5620	2003-09-19																																																																																																																												
application-body	isoamso.ent	1934	2003-09-19																																																																																																																												
application-body	isoamsr.ent	7073	2003-09-19																																																																																																																												
application-body	isogr3.ent	3559	2003-09-19																																																																																																																												
application-body	isomfrk.ent	4553	2003-09-19																																																																																																																												
application-body	isomopf.ent	2571	2003-09-19																																																																																																																												
application-body	isomscr.ent	4628	2003-09-19																																																																																																																												
application-body	isotech.ent	5268	2003-09-19																																																																																																																												
application-body	isobox.ent	3568	2003-09-19																																																																																																																												

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
application-body	isocyr1.ent	5345	2003-09-19
application-body	isocyr2.ent	2504	2003-09-19
application-body	isodia.ent	1508	2003-09-19
application-body	isolat1.ent	5282	2003-09-19
application-body	isolat2.ent	9007	2003-09-19
application-body	isonum.ent	5913	2003-09-19
application-body	isopub.ent	6621	2003-09-19
application-body	mmlextra.ent	7901	2003-09-19
application-body	mmalias.ent	38209	2003-09-19
application-body	soextblx.dtd	12870	2003-09-19
application-body	A3-1662a.tif	40180	2003-09-19
application-body	A3-1662b.tif	7504	2003-09-19
package-data	hartmanA3-1662-pkda.xml	7836	2003-09-19
package-data	package-data.dtd	27025	2003-09-19
package-data	us-package-data.xsl	19263	2003-09-19
Total files size		595854	

Message Digest:

82b4c17fd4a1e599871857171317ee8d714f3c78

Digital Certificate Holder  
Name:

cn=Domenica N. S.  
Hartman,ou=Registered  
Attorneys,ou=Patent and  
Trademark  
Office,ou=Department of  
Commerce,o=U.S.  
Government,c=US